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MOTION of MATTER

A MAGAZINE DEVOTED TO SCIENCE, TRUTH, INVESTIGATION & MATTERS OF GENERAL INTEREST

JANUARY 1905

FRANKLIN H. HEALD
EDITOR AND PROPRIETOR
LOS ANGELES, CAL.

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CAPT. FRANK BURNS

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HIGHER SCIENCE

OF THE MOTION OF MATTER

ISSUED MONTHLY AT IVANHOE STATION

FRANKLIN H. HEALD, Editor and Proprietor

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HEAVENLY BODIES MOVE BY FALLING.

The Nation Builder, of Danneviske, New Zealand, rather lightly criticises my PROCESSION OF PLANETS theory, as being rather oposed to the established laws of Sir Isaac Newton. I believe that his laws are only established, when they will stand the test. Some of them will stand for all time and some will not. Those which are true will stand and those which are a mistake will fall, the same as mistakes of religions and political powers. They may stand for a long time, on account of the reverence for grey haired age, but the time must come when that very age, later advancement and discoveries must count against them. *The Nation Builder* says in part:

The Procession of the Planets (second edition), by Franklin H. Heald, U. S. A. Price, 1 dollar.

The author of the above booklet is the editor of a monthly paper entitled "The HIGHER SCIENCE MAGAZINE." Mr. Heald is an enthusiast on all matters astronomical, but we scarcely think that he has yet solved the riddle of the universe, although in "The Procession of the Planets," he undertakes to do so. * * * * * Newton discovered that there are two forces in the universe eternally working one against the other in balanced beauty that results in a harmonious procession of all the planets. The one force he called the centrifugal force, the other the centripetal force. But, as Newton, after he had tested the absolute truth of this theory and the universality of this law by endless mathematical calculations, modestly said, whatever the world may think of this discovery, personally he felt like a little child picking up pebbles on the seashore, with a great expanse of ocean lying unexplored beyond." And after he had proved beyond all dispute that there was such a law as he had discovered, he admitted that while he had conclusively proved the truth of his theories, the attempt to discover why two bodies, millions of miles apart, with no apparent connection between them, should have an influence one upon the other, put all his mental faculties to confusion.

Poor Newton! It was 80 years after he had made his great discovery before the leading colleges condescended to accept and teach his theories, and to avoid persecution in his own day he had to publish his theory in the first place in Latin so that only the more educated people could understand them. And he even had to set himself to the task of making his theories harmonize with the teachings of the Bible, so as not to offend the prejudices of his age, and thus did Newton, in fear and trembling and dreading persecution, usher his great discoveries into the world. And now Mr.

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Heald tells his readers that if Sir Isaac had taken another step, after "discovering the force of gravitation by wondering why the apple fell to the earth instead of falling into the sky, and wondered why it came to be in the treetop, he would have found that it was placed there by the force of heat, and he would then have discovered the other great force of nature, or rather that heat is the other great opposite force in nature." Newton discovered that motion was the opposing force that balanced gravitation or stillness. But what is the true relation of motion to heat? We will look forward with pleasure to receiving a copy of the third edition of "The Procession of the Planets," which Mr. Heald promises his readers will appear as soon as possible. Price, 10s 6d.

Yes, it is true that Newton discovered what he thot true, that motion was the force that balanced the force of gravity, but I have discovered that it does not balance gravity, and that the planets are gradually approaching the sun, and are not balanced in space. Newton did not discover what makes the motion of a planet in space, which is falling, and therefore was compelled to give god the credit. The real fact is if it were not falling towards the sun it could not move. The arrangement of the planets in their distance from the sun and their rate of speed as they approach the sun is absolute proof of their falling which no intelligent astronomer or scientist dare dispute. If they were balanced in space, the ones nearest the sun would not be traveling faster under a regular ratio, as they actually are. Beginning at Neptune, we find it nearly twice as far from the sun as Uranus; Uranus nearly twice as far from the sun as Saturn, and so on down to Murcury which is but (average) 32 million miles from the sun and is traveling at ten times the speed of Neptune. The solar system, with the sun for its great center, is a continual found of raising and falling of matter. Matter is radicated away (expanded) from this great hot center as colorless gas, as water is evaporated from the earth into colorless vapor and falls again when cold enough to again condense. Bodes law (see Page 38, PROCESSION OF PLANETS), is so plain that when a planet was missing in the space where the law would place it, its scattered remains were found in the shape of Asteroids, with a camera. The law which I have discovered proves a procession of planets towards the sun and is as follows: "The Planets increase their speed around the sun (as they fall or approach it) in the same inverse ratio, with which they decrease the diameter of their orbits." (Page 90, PROCESSION OF PLANETS). At the slow rate of speed with which Neptune travels, with very little centrifugal force to throw it away or up from the sun (every direction from the sun is up, in the solar system) it falls towards the sun 1,500 millions of miles, while Mercury moving at such enormous speed (and a correspondingly great centrifugal force to hold it away or up) only approached the sun 35 million miles during the same time. When Mercury gains a speed that shall increase its centrifugal force so much that it will almost be equal to the opposite force of gravity its own center of gravity

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will be overcome by these two opposite forces, and it must be scattered into a zone of small fragments which will gradually feed the sun's fires, returning the same heat or force which were required to expand it into gas originally. I have had the advantage of Newton, in being permitted to doubt the story of god, and look for natural reasons why a planet can move around the sun, without supernatural assistance. That a planet gains speed by falling and loses speed again, as it receeds by centrifugal force (as it is thrown farther up) was first presented to me by the action of the planets, satelites and comets, which have elipitic orbits. The orbit of the earth is, for instance, 3 millions of miles nearer the sun at one point (perihelion) than at the opposite (aphelion). When at aphelion, and as it approaches its perihelion curve it gains speed. When it has passed the perihelion curve, and it is gradually getting farther from the sun it again loses speed. All this is well known to happen to the earth every year. The same is true of the moon's monthly trip around the earth and more especially is it true of the comets, some of whose orbits are so oblong that in falling towards the sun they gain such almost incredible speed that centrifugal force throws them away or up like a ball and their decrease in speed, as they go up, is easily measurable. It is hardly fair to assume that because Newton discovered and proved one great law, that he left nothing for future men to discover. He believed that light was composed of infinitismally small particles of matter radiated from the sun, individually traveling at the rate of 193,000 miles per second; whereas it is but an impulsive motion traveling thru or by-way-of the infinitismally small particles of expanded matter or invisible gas. A jar or force of one against another with lightning rapidity as I have often illustrated by the gun-barrel filled with bullets. No matter how long the gun-barrel is, if you push another bullet in at the breach the one at the muzzle must be forced out. Indeed, Newton was simply "picking up sea shells on the shore of the great ocean of facts, as we are doing yet. He did not gather them all, nor did he rightly classify all he did gather.

WAS LINCOLN RELIGIOUS?

Chas. Collis of 430 W. 118th street, New York, writes to object to my listing Abraham Lincoln with men "who had brains enough to live without charity." He says in part:

*** * * I inlose you a pamphlet which I think will convince you that in order to evolve truth, we must have truth as a basis. * * * I think it were better for the truth of history, that you should blame him for what he was, rather than commend him for what he was not...*..*..*..*..**

For my own part I am open to convicion, but allow me, out of curiosity, to ask this question; do you deny a God, or do you say "I do not know?"

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Judging by the quality of your writings, I feel certain that you do not contend that this universe is the mere fontuitious conglomeration of atoms. * * *

The pamphlet referred to is a 24-page paper covered booklet, written by General Collis and entitled, *"The Religion of Abraham Lincoln.* First comes a correspondence between General Collis and Colonel Robert G. Ingersoll, in which Colonel Ingersoll offers him $1,000 to show that there is a single statement in General Collis' letter which is correct, which cash prize, as I understand, the General did not win. The balance of the book is taken up in giving letters from two other men, stating their opinions of Lincoln's piety. One of them General D. E. Sickles, states that Lincoln made the claim to him that the result of the battle of Gettysburg was due to the directions given to god in a long fervent prayer by Lincoln.

With all due regard to the honesty of General Collis, I believe he has been fooled into thinking Lincoln was foolish enough to make such a ridiculous claim. If Lincoln knew that god would take his advice, against all the millions of prayers offered up day and night in the South, he would not have been vain enough to have mentioned it. In all his history, and all the stories I have ever read or heard about Mr. Lincoln, there is but one thing that gives a suspicion of piety and that is the obscene stories he sometimes used to illustrate his points and I believe that ninety-nine out of a hundred of them are manufactured by self-admired wits and told at his expense, the same as the rumors of prayers. Even the letter of General Sickles to General Collis shows, on the face of it, that it was written more especially to call attention to a wound he received at Gettysburg and also a former wound, making Lincoln's "prophecy" an excuse for writing a good deal about them. The other man, a Mr. Munsell, originating in "Egypt," Ill., who was a total stranger to General Collis, and is also to myself, starts his letter by a barefaced falsehood in intimating that Colonel Ingersoll had attacked the character of Mr. Lincoln, whereas exactly the opposite is true. Colonel Ingersoll was defending Lincoln's character against the degrading and infamous religion, which the character of Jesus Christ represents, i. e., destroying the home, hating father, mother, children, brothers and sisters, and himself also; drunkenness, improvidence, mysogomy, anarchy, prostitution of women and virgins by supposed supreme beings which are unseen and unknown, witchcraft, cannibalism, slavery ownership and submission of women and a thousand other crimes, which the so-called Christ, god and the "holy" bible stand sponsor for, which Ingersoll in the greatness and goodness of his heart did not believe that Lincoln was ignorant enough to indorse or even believe. His whole life seems to prove it also. The stranger, Munsell, like General Sickles, also takes especial

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pains to parade his own importance, by pretending that Lincoln took such a fancy to him that he disclosed the whole inside workings of the government machinery in confidence. General Collis heads the letter as "The story of Mr. Munsell," which it no doubt is. No person of ordinary intelligence can believe for a moment, that Mr. Lincoln would be so silly, and we know that he never drank to excess, even at sacrament. Now if Mr. Munsell would make these false statements, to laud himself, there is no doubt that he would "see things for Christ's sake and lie for the glory of god," as the New Testament teaches its dupes.

General Collis himself is not a Christian, as he will find, if he will read the bible thotfully and then carefully examine his own mind. I will explain to him cheerfully that I do deny that there is a god. The only power in the universe has its origin in the different degrees of heat in matter, or by the expanding and contracting of matter by heating and cooling. It is self-operating and as my readers know, I have, for four years, offered $1,000 to anyone who will show any motion in nature which has its origin in anv other way. But two persons have claimed the reward. One claims that the expanding and contracting is caused by god's process of breathing, and the other claims that he can raise water 40 feet by a suction pump, at New Sharon, Ia. I am now only waiting for proof in both instances. Cyrus Teed, lately of Chicago, but now of Florida, "Korish," or one of the latest saviors, explains as follows:

* * * God lives eternally by virtue of the periodical marriage suppers of the Bride and the Lamb. The tree of Life yieldeth her fruit and it is the flesh of mighty men, prepared for absorption into Deity, whose throne, etc. * * *

He has not claimed the $1,000, and is only mystifying the "colored" population down there, in order that they will make better contributors when the hat comes round.

General Collis is "open for conviction," and I can easily convince him that it is absolutely impossible for a god, or any power with intelligence to control nature. I can furnish the absolute proof, but as I have said before, I cannot furnish the brains to others, by which they can understand the proof. General Collis has the required brains and it only remains for him to give them Liberty.

FABLE FOR LITTLE FREE THINKERS

Once upon a time, a farmer had his attention attracted to a dove, which was being killed by a hawk. When the dove was injured so that it could not fly away, the kind-hearted farmer went to it, and the hawk, for his own safety, retired to await further opportunity to secure his prey. The dove, however, perceiving that he was safe in the presence of the farmer,

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sat on the plow and watched his thwarted enemy in his disappointment. As soon as he recovered, he told his dove friends and the news soon spread to all the doves of that country and they gathered in great flocks and myriads, so many that the poor farmer was ruined by their gratitude. They ate up all his corn and crops until he had nothing left for himself. His animals died of starvation and he was left penniless and hungry. His generous protection was now changed to self-defense and he began to catch those nearest, killing and salting them for the market, boxing them to be hauled away and sold. In the course of time he became the richest man in the realm and never after lacked for anything or for a supply of doves.

MORAL: Always protect and be kind to the weak and oppressed. Even when they become a nuisance their gratitude will be such that they will become willing slaves and victims to supply their masters with luxury and indolence.

CAPT. FRANK BURNS

BY MISS LULU M. GIBSON.

Capt. Frank Burns, the subject of this sketch, whose portrait is our frontispiece this month, has just passed his seventy-fifth birthday, was a practicing attorney until the beginning of the Civil war in 1861. Being a Southerner, he organized the first company in Blount county, Alabama, and received a commission as captain and was with it during the entire war. I first remember him at our home with my father in geological work for the state of Alabama. After several years of profitable service for the state, the United States geological survey took him from us, and finally, about twenty years ago, he was sent to the Smithsonian Institution to assort and classify shells, and has found more new species of fossil shells than any man in the world. He is the only living member of his family, but is followed by an army of children in Washington, as if he were the "really and truly old St. Nicholas," and has enough name-sakes to keep him poor. There have even been girls named Frank Burns, in his honor, and thus being with the children he has himself remained young. Born in the Palmetto state and raised a Presbyterian he became a pronounced Freethinker at the age of reasoning and has remained so thru life. There is no more honorable man or truer friend and this makes him doubly a more dangerous enemy to the human curse of religion. He is a relative of "Bobby Burns," and not afraid to say what he thinks. For forty years he was my father's most intimate friend and no person can know Captain Burns without being better for it.

St. Elmo, Tenn.

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EDITORIALS

We are always pleased to receive Christian publications from our subscribers, calling attention to their absurdities and false teachings. It gives us a chance to correct them, by destroying error and planting the seeds of truth in its place.

The New Philosophy, by Arthur Crane, 129 3rd street, San Francisco, Cal., is a nicely bound volume of 50 pages. It is not copyrighted and not for sale, and its author says: "As long as I can earn the means to do so, I will send a copy to every applicant gratis and postpaid." It is a book that every reader of HIGHER SCIENCE should study.

HIGHER SCIENCE criticises women who love god, because the bible tells them in plain language that it was an accident or chance happening, that caused him to think of making a woman After he had made her and she put on a fig leaf he became jealous and angry and cursed her and all future women forever. If he had not been a cowardly cur, he would have killed Adam, of whom he was evidently jealous, instead of abusing the poor timid woman for her modesty.

Prof. Hunaloya, a Portuguese scientist, is the latest to discover that everything in the universe is run by electricity. Now, if some of these investigators will please discover that electricity is a degree of heat and that all other motion is but a different degree of vibration caused by heat, which is motion, we will be all right and everything will run smoothly, as usual.

A friend, N. B. Grayson, of Oscar, I. T., has sent us a copy of the *Gospel Searchlight,* which is published by the fellow whom C. C. Moore recently snowed under so deep in a debate at Ryan that he will never thaw out this side of the infernal regions. Fact is, he will never reach that suberb of great minds, unless he is much more intelligent than his paper indicates, and it will require a much brighter light to find anything good in this gospel of hate, this history of the jealous and angry god, who spends his time murdering women and babes, and saving the maidens alive, etc. There is no doubt that this preacher editor is training in the crowd suited to his taste, as he sees and hears things for Christ's sake and lies for the glory of god.

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The souvenir tray premium expired January 1st with the beginning of Vol. V. We now offer each subscriber a right to send four names of persons who are not subscribers, with $1.00 cash and we will send HIGHER SCIENCE to each for one year. If you live in Los Angeles, send 12 cents extra (each) for postage, or if you live in a foreign country, send such extra postage as required. If you are not able to donate a dollar for the education of your friends in freethinking, get four of them to send 25 cents each for a year's trial.

Our Dumb Animals is the name of a paper which arrived at our desk this month. The front page contains a photograph of Mary, the "mother of god," and the kid whose father is a matter of faith. This editor has, judging by the reading matter of his paper, accepted the only position in life which he is fitted to fill, i.e. between god and the dumb brute where there is not much room to spare.

The editor has received many letters of inquiry in regard to the short article which he wrote for November *Searchlight* of Waco, Tex. We republished the article in December HIGHER SCIENCE, but the printers mixed it up considerably. The line in brackets on page 155 should be at the bottom of page 154. A * should be at the head of the line, and also at the end of the headline. By F. H. Heald, under the title of the article on page 156, should be under the title of the article. Please read it again with this understanding.

The Liberal Club has just been presented with a splendid life-size portrait of Col. Robert G. Ingersoll, by that prince of good fellows, Albert Fosgates, the Broadway candy man, who is a member. It is a perfect likeness of the great reformer who took hell away from us and gave us truth in the place of it. Try and attend the lecture next Sunday night at Burbank Theater Hall and have a look at it. The lectures are free, and any one of them, with the five-minute criticisms which follow, is worth more than all the sermons ever preached.

The next most important question to "who made god?" is, who made Hell? and on which day did he make it? We know who poured cold water on it until he put it out. Not holy water, but any kind that was wet. What's the difference, anyway, whether it was holy, or wholly, or holey water, just so the awful fire was put out and our friends saved from the inhuman monster who made it. Any kind of slop or nasty swill would do. Even the canine idea of the big family Roosevelt, of bladder water, would be good enough for that nasty job.

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The editor of HIGHER SCIENCE takes great pleasure in announcing his cure of *locomotor ataxia.* His body is almost as good as new, and his mind has cleared to the extent that he has by judicious deals, trades and dickerings secured what will make fifty or more lots, in the choicest residence part of Los Angeles (the finest city and best climate in the world) which are worth $1000 each. As they are sold, this magazine and its readers will receive the benefit, and you may expect a periodical second to none before the end of Vol. V. Take advantage of the 25-cent trial offer for your friends, or call their attention to it. We are determined to increase our subscription list to 20,000 this year.

We have just received Vol. I, No. 1, of *Vril Logos,* a monthly magazine, representing the Vril Industrial Union, which appears to be a sort of new religion which is just getting its wings in Denver. It costs $10.00 per month, which also enrolls you as a recruit degree member, with a unit clearing-house certificate on which will be inscribed, "In Divine Power and Wisdom I Trust." Of course that lets HIGHER SCIENCE out. We could hardly trust a power that puts in his time murdering babes and women, saving maidens alive for the soldiers, and was not able to kill the devil; or the wisdom of a fool, who did not know the world was round after he had worked a whole week making it.

The great navies which the Czar of Russia started towards Japan as a bluff have turned tail and will return to some Russian port where they can be fenced in safely from the little Japanese submarines. Of what possible use is a great navy if these little "out-of-sight devils" are to inhabit the waters of the sea? How are troops to be landed upon an island like Japan or England? Had we not better sell the American navy before it is a drug on the market and invest a small portion of the money in Holland submarines and airships?

One of the finest addresses ever given before the Los Angeles Liberal Club was on January 1st of this year, by Mrs. E. P. Freemott, one of the members of the club who has heretofore kept silent in the congregation. Her subject was "The Prophecies of Jesus Christ." She showed that there is not a shadow of prophecy in the old Bible of any such person and that all the prophecies of him are by people who created the story, long after he is supposed to have been hung for the good of the country.

The Magic Wand is a brand new magazine after the make-up of the *Philistine,* except that it is pious, and the editor, C. L. Brewer, is pious and thinks the senses are the "attributes of God," and "their testimony, his voice." He praises the "glory of the incarnation and the joy of the word made flesh," etc., but forgets to tell us who made god.

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COMMENTS

Andrew Peterson of Cando, N. D., says:

* * * I received the "Procession of Planets," and I think it is a great work. It is based on facts and not on superstition. Please send me HIGHER SCIENCE for one year, with best wishes for success. * * *

I am a Materialist. I believe there is no Hell, Heaven, Devil, God, nor future life. We knew nothing before we were born, and we can know nothing after we are dead.—*Eliza Mowry Bliven.*

Gen. J. D. Shaw, a Confederate veteran of the late rebellion, recently used these broad and patriotic words in a speech at Marlin, Tex. Gen. Shaw is the broad-minded editor of *Searchlight,* of Waco, Tex., and has the sense of reason developed far above the average:

* * * "In the course of time the Confederates have come to realize that, though under the Constitution, they had the right to secede from the Union, it was probably bets for all concerned that secession did not succeed. Divided as we would have been, with more or less sectional animosity between the governments, America could never have been as great as it now is. Having settled our long quarrel with a bloody war, as we did, the nation reunited is greater than it would otherwise have become." * * * *

There are, however, still some back numbers in Texas who are tryig to compel him to revise this sentiment.

Speaking of HIGHER SCIENCE in a letter to the editor, N. B. Grayson of Oscar, I. T., says:

* * * I like the style of it Don't let me miss a single copy. * * *

Luke xiv:26. Suppose ye that I an come to give peace on earth? I tell ye nay; bu rather division.—*Jesus Christ.*

Why, then, should Christian hypocrites always be prating about "the Prince of Peace." He offers a prize of 100-fold to people who desert their wives, homes, etc. Matt. XIX:39.

Saml. Swayer, of Garlock, Cal., a subscriber who started with the first number, writes:

* * * I see by the *Examiner* that the Y. M. C. A. of your city have turned down our friend Elbert Hubbard. Have you no feeling for such narrow-between-the-eyes people? And then Lyman Abbott has kicked over their hide-bound traces. Verily, the world do move. Have you followed the congress of science at the World's Fair? It seems they do not concern themselves about god at all and attribute all to nature. They must be tainted with Atheism. I once thot you too radical in your ridicule of the bible ect, but I now believe it is just what the silly people need, to wake them up. You can't handle Christianity with gloves and make the handling effective. * * *

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OAKLAND, June 23.—A man giving his name as Wiley J. Phillips and claiming to be a delegate to the National Prohibition convention was arrested tonight for drunkenness and lodged in jail. He is a well-dressed man, about 45 years old, with the appearance of a clergyman. According to the story he tells, he is the editor of a Prohibitionist journal and was on his way to the national convention at Cincinnati when arrested. Policeman Mulgrew found him at the corner of Seventh and Peralta streets at 7 o'clock tonight in a very much intoxicated condition.—*L. A. Examiner.*

We have never learned whether the above is true or a joke, but if a joke it is a very cruel one; and if true, he should now forgive the redlight district and let them live in pace. According to his own *Voice,* they are daughters of christian parents. When they are ready to die, they will be forgiven by some priest or through the influence of some preacher, and there will be 99 times as much joy in heaven, as if a good woman had passed over who needeth no repentance.

Mary M. Stroup, of Moore, Okla., says when sending subscription:

* * * But to tell the truth, there is so much Roosevelt prosperity here that it is not so easy to spare a dollar. * * * Hoping you are better by this time, etc. * * *

Just about the time that a man decides that this is a cold world something turns up to make it hot for him.—*Ark-Traveler.*

A new "church" must be started, led by men and women who are temperate in all things, teaching he people that all who do right now need not fear as to what will happen to them in the future.—*Thots of the Hour.*

This plan would surely destroy the monstrous doctrine of vicarious atonement, which gives a sinner who embraces the nastiness of Jesus 99 times more attention in heaven than he that hath not sinned and needeth no repentance.

TI..BO, ARK., November 4th, 1904.

F. H. Heald, editor HIGHER SCIENCE:—Please find herewith $1 to make me a paid up subscriber for one year. Hope to receive a souvenir tray. I am a new sojourner in Arkansas. Have corresponded with you under my former name, Ada L. Smith. HIGHER SCIENCE *is just right.* Please accept our best wishes.—*Mrs. Ada L. Daniels.*

Certainly it must be through mental impoverishment that wealthy dames are inclined to giving of time and $$$$ to the establishment of "homes for friendless dogs and cats, and cemeteries for blooded dogs," while children are suffering the world over. Human waifs are abundant. Can it be that some dames and damsels of the "Smart Set" (!) prefer the caress of a licking dog to the soft pat of baby hands or the rosebud baby lips? Any person who reads the daily press with any degree of thoughtfulness, must note items regarding homeless and hungry children. * * *

Mental Prosperity is Wealth of great value. My sisters, seek to be rich in humane feelings, in reason and love for all.—*Alice Lindsay Lynch, in People's Press, Chicago.*

This blessed woman is doing more for humanity than all the dog-kissers, W. C. T. U.'s and Jesus lovers in the world.

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Rents are lower in hell and religious brimstone has little sale. The devil is looked upon today as a pretty good fellow and as paying bigger sunshine dividends than God.—*Truth Seeker* (*N. Y.*)

The natural reaction against Materialism, is fostering the growth in New Thought circles, of the idea that this world and the things thereof are not Real and True and Divine.—*Magic Wand.*

The *Magic Wand,* like all other magic is fostering the growth of falsehood when it intimates that it is possible for materialism and other things which are real and true, to be divine, if by the latter term he refers to the old Jew god murderer, polygamist, and his drunken saints, saviors, virgins, or men after his own heart.

WAPANUCKA, I. T., November 25, 1904.

F. H. Heald, Dear Sir:—It is with much pleasure that I have read your article in November *Searchlight.* You combine a whole volume in a few words. The article is comprehensible and unsurpassed. Kindly favor us with more of your writings. With friendly greetings. Yours truly. W. A. FRANC.

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* * * Materialism that ignores the spiritual side of life is fading away under the lime light of scientific investigation. To the "London Society for Psychic Research" composed of the leading scientists and philosophers of many nations, the world owes a debt of gratitude it can never repay, for truths formulated under rigorous and manifold tests, from mysterious phenomena.—*Soundview.*

We are sorry to be compelled to continually call attention to the fact that there is no "spiritual side of life," and the London scientists (?) are simply experimenting with lower senses, which are most perfect in lower forms of life. When we have better developed the sixth sense of reason we will all understand that there is no mystery in truth, and no truth in mystery.

Before a meeting of Methodists lately held in this city Bishop Galloway declared the people of Japan to be "in a sense Christians." He must have had in mind their recently acquired efficiency in the art of war. They are Christians in no other sense nor are they likely to ever be.—*Searchlight.*

Chas. W. Nelson of Deerwood, Minn., says in discontinuing HIGHER SCIENCE:

* * * I enclose 75c to pay my subscription to date, as I asked you to send it last spring, if you would wait for me to pay. I would like to have HIGHER SCIENCE coming regular, but can see no way to pay for it. I thank you for sending it as you did. * * * I wish you success and regret that I cannot help you my little mite. * * *

Lev. xxvi, 29: And ye shall eat the flesh of your sons, and the flesh of your daughters, shall ye eat.—*God.*

We have just pasted a portrait of A. Walton Damon, editor of *The Occasional One,* in our album. Under the portrait is the following apology:

Some people are stuck on their faces. This one is stuck on me and has been for over 36 years; and whenever I shake it, people think I mean no.

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A task that requires almost superhuman consecration is that of the Christian minister who is compelled to resurrect a dead church every Sabbath. He is the slave of a hundred masters, many of whom have no direct claim upon him. His week days are largely spent in social service, much of which is unrequited. The constant clang of his door bell stops any continued attempt to study and yet on Sabbath morning he is expected to appear with a message which can stir the jaded sensibilities of a congregation that is dull and unresponsive. * * * —*Ram's Horn.*

Well, brother, if you do not like your job, why on earth don't you quit it and earn an honest living. Your profession (?) is a curse to the rest of humanity, and most people are ashamed to live by charity. Get out of it and be a man. As long as your "masters" feed you, they have a claim on you, and they are bound to be dull, to listen to you.

Who populates the world with slaves,
At the behest of priestly knaves,
To mark the earth with soldiers' graves?
The Christian woman.
—*Harriet M. Close.*

The crying need of this age is more superior mothers and fewer mother superiors.—*California Voice.*

Allow us to add: More temperance and less prohibition; more pure liquor and less tax; no treating and no saloon, as was the case before christian fanaticism raised the price of liquor so that it could and did become a social evil. If liquor was sold at cost, a saloon could not exist, and never did exist when it would not pay. The only safety against a social evil is society's disapproval and scorn.

If there is a God of love in the universe his love must be suffering from locomotor ataxia.—*Truth Seeker.*

The secretary of the Morgan County Scientific Association, of McConnellsville, O., writes as follows:

I write to inquire if you be the author of the theory you support, of the formation of worlds, in the November *Searchlight*, and if not, who is and where we could purchase a book or papers of the author. We are very much interested in the subject and any aid will be most gratefully received. * * *

The world is weary of the groans of dying men who go down to useless slaughter on blood-soaked fields of battle. The world is sick of the grief of strife, the wail of widows and the moan of orphans. The world has better use for its strong men, its youth and the flower of its chivalry than to send them into the seething hell of carnage and butchery. "Let us have peace." * * * —*Los Angeles Times.*

It is all the more necessary in these days when the affairs of men are in a troubled state, as never before, that God's people should clearly understand his purpose concerning them. They should be able to withstand evil and have their minds serene and peaceful when disturbances about them are shaking the foundations of society.—*Bible Rev.*

He should have said, "when society about them is shaking Hell out of the church." No matter what happens, they should

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stand pat and refuse to listen to reason if they expect to understand his purpose to ride them to death and then burn them in brimstone forever after.

HIGHER SCIENCE OF THE MOTION OF MATTER. This monthly magazine (first four Nos. were called, Procession of the Planets) is devoted to science, truth, investigation, and matters of general interest. It is edited and published by Franklin H. Heald, Los Angeles, Calif. He has the courage of his convictions and dares to express and publish them. He is well read in the sciences and knows what he is talking about. He is the first to establish a serial to advocate his theory, the Procession of the Planets, that is to some extent reverse of the Nebular Hypothesis so far as the order of the birth of the planets is concerned. Mr. Heald's theory of planetary formation is now engaging the attention of astronomers, a leading hypothesis of which is that the outer planet, Neptune, so far as now known, is the youngest born, and after some 400,000,000 years Mercury will have been engulfed in the Sun and each succeeding-born planet outwardly will duly follow its predecessor in turn, while other planets beyond Neptune will "swing into ken," as Keats sings it. Even Darwin's tidal theory of satellite formation says about as much. Young s "Elements of Astronomy," Art. 484, last paragraph, mentions Darwin's views, "as in a sense supplementary to the nebular hypothesis; nor can we more than mention Foye's proposed modification of it. According to him, the *inner* planets are the *oldest.*" An article on this theory will be published later. This journal is handsomely published at $1.00 a year. The Vth volume commences with January, 1905.—*Notes and Queries Magazine.*

During the last few months we have received many letters from libraries, of which the following is a good sample:

Public Library, Frederick M. Crunden, Secretary.

ST. LOUIS, December 30, 1904.

ED. HIGHER SCIENCES—The Board of Directors of the St. Louis Public Library acknowledge with thanks the receipt of HIGHER SCIENCE, and would like very much to have you continue it. We will be glad to place it on our files, and make it accessible to our readers.

Very truly yours,

F. M. CRUNDEN.

Mrs. Ada K. Schell of Ponca, Neb., writes a long interesting letter in which she says:

* * * Yes, we each have a right to ridicule the orthodox religion, if that is our way to bring people out of the educated ignorance of creeds, dogmas and superstitino, which has held people in its grasp for centuries. * * * I am also sorry to say, women are more bound by these false teachings than men, for the reasons you have given. * * * Your Procession of Planets theory is beautiful, grand and simple and I honor you for it, bu I want to know how you account for the creator power in man independent of material and, also, the creative power above man's creative power, .or man cannot create the things of nature. * * I thank you for the copies sent. I had the May number with the little pig story and will give it to a friend. I have thot a great deal on this subject, so I was greatly interesed in it. * * *

This lady is more than an ordinary thinker, and if she will remember that it is impossible to destroy or create material, either by gods or men, and things of nature are only changed in form and size by different degrees of heat, she can easily under-

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stand that it is all the force required to operate nature, and much easier than to explain "who made god."

Adam Bashore, of Brewster, Neb., says:

* * * Some time ago I sent for your Procession of Planets, and I am very glad of it. The amount of thought-stirring matter in that little red book was the first and best I ever read. To my mind it can never be successfully refuted. It is so simple and as grand and true as it is simple, but most people are credulous. As Ingersoll says, "they try to render the simple complex, and the complex obscure." * * * I want your new book as soon as out. * * *

Mrs. M. M. Turner, of Washington, D. C., writes to say there is no higher science, and then qualifies later by saying:

There are differing grades of scientific theories which may be said to be higher or lower, but the laws of the universe as proved and demonstrated are but one. To be a true worker for science one must be deeply imbued with the teachings of the late Prof. Frederick Guthrie. * * *

The late professor is probably her favorite and may be all right, but HIGHER SCIENCE proves everything it teaches, and offers $1000 cash to any one who will show any motion, form or phenomena of matter not caused by expanding or contracting by different degrees of heat.

God's righteousness is not reached by human conception, for the World tells us that we cannot by wisdom, find out God; hence, our own righteousness, or what is termed "morality," God declares to be "filthy rags." —*Burning Bush.*

To true, and true, too. He is the embodiment of immorality, dishonor and filth. Anything moral, virtuous or temperate stinks in his nostrils. Read the 20th chapter of II Chron.; also the 2nd verse of the 35th Chap. of Jer. and the 25th Chap, 2nd verse of Jer. Let us hope that the said *Bush* above will soon burn him up.

James F. Mallinckrodt, of St. Louis, Mo., writes:

* * * I welcome its existence, as one interested in mechanics and chemistry since childhood. I believe there is a Higher Science as we approach the infinitesmal of space and matter, time and motion. With its completion I think we shall obtain a unity in the universe with stars and men. * * * About the time the unity of matter, etc., (matter and motion) is discovered, the unity of mind and heart, literature and religion, art and commerce, etc., will be proclaimed. A multitude can easily overpower one or a few, no matter how brave and the ease is greater than it is possible to estimate or express. * * *

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